



10/825-03-012

JUL 06 2004

July 1, 2004

To: Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Fr: George O. Saile, Reg. No. 19,572  
28 Davis Avenue  
Poughkeepsie, N.Y. 12603

Subject: | Serial No. 10/825,988 04/16/04 |

Thomas Aisenbrey

LOW COST PLASTIC CAPACITORS USING  
CONDUCTIVE PLASTICS OR CONDUCTIVE  
COMPOSITES

#### INFORMATION DISCLOSURE STATEMENT

Enclosed is Form PTO-1449, Information Disclosure Citation  
In An Application.

The following Patents and/or Publications are submitted to  
comply with the duty of disclosure under CFR 1.97-1.99 and  
37 CFR 1.56.

#### CERTIFICATE OF MAILING

I hereby certify that this correspondence is being  
deposited with the United States Postal Service as first class  
mail in an envelope addressed to: Commissioner for Patents,  
P.O. Box 450, Alexandria, VA 22313-1450, on July 2, 2004.

George O. Saile, Reg. No. 19572

Signature/Date

George O. Saile 7/2/04

U.S. Patent 6,690,572 to Liebowitz, "Single Layer Electronic Capacitors with Very Thin Dielectrics and Methods to Produce Same," teaches a capacitor with electrodes formed by high temperature sintering of a metal/ceramic filled paste.

U.S. Patent 6,671,165 to Nakazawa et al., "Electric Double Layer Capacitor and Production Method Thereof," teaches a capacitor with electrodes made of activated carbon.

U.S. Patent 6,473,293 to Shimada et al., "Capacitor Unit, Method for Producing the Same, and Solid Electrolytic Capacitor," teaches an electrolytic capacitor with one terminal comprising a conductive polymer.

U.S. Patent 6,680,007 to Honda et al., "Conductive Resin Compositions and Electronic Parts Using the Same," teaches a conductive resin composition.

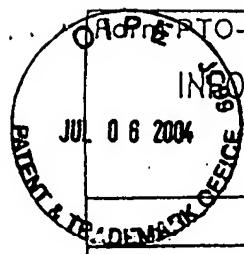
In the article entitled, "Solid Polymer Aluminum Capacitor Chips in DC-DC Converter Modules Reduce Cost and Size and Improve High-Frequeancy Performance," PCIM Power Electronics 2001 Proceedings, Sept 2001, pp. 1-8, Macomber et al. teaches a solid, highly conductive polymer that replaces the liquid electrode of the electrolytic capacitor.

In the article entitled, "Improvements with Polymer Cathodes in Aluminum and Tantalum Capacitors," IEEE 2001 APEC Conference 2001, pp. 1-9, Prymak teaches a polymer cathode in a capacitor.

UK Patent Application GB 2 377 449 A to Sayers, "Electrically Conductive Polymer Composition," discusses electrically conductive compositions and their use to prevent electrostatic discharge and to earth electrical devices.

Sincerely,

  
George O. Saile,  
Reg. No. 19572



Lot 1

QAdPnSPTO-1449

INFORMATION DISCLOSURE CITATION  
IN AN APPLICATION

July 06 2011

(Use several sheets if necessary)

Doctor Number (Optional)

INT-03-012

Appleton Number

10/828,988

Applicant

Thomas Hisenbrey

Filing Date

04/16/04

Group Art Unit

U. S. PATENT DOCUMENTS

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO
GB 2	377449A	1/15/03	United Kingdom	C08K	31/08		

**OTHER DOCUMENTS** (Including Author, Title, Date, Portion or Pages, Etc.)

- "Solid Polymer Aluminum Capacitor Chips in DC-DC Converter Modules Reduce Cost and Size and Improve High-Frequency Performance," PCIM Electronics 2001 Proc., Sept. 2001, pp. 1-8, Macomber et al.
- "Improvements with Polymer Cathodes in Aluminum and Tantalum Capacitors," IEEE 2001 APEC Conf. 2001, pp. 1-9, Przymek.

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.